Formulas

Module 6 – Lesson 9



Cylinder: A three-dimensional object with a flat, circular base on top and bottom.

Base: The surface on which an object rests.



EX.



Find the volume of a cylinder with a height of 12 inches and a radius of 3 inches.

Apply the volume formula:

- $V = \pi r^2 h$
 - 2
 - $V = \pi (3)^2 (12)$
 - V = (3.14) (9) (12)
 - $V = 339.12 \text{ in}^3$